



## HETEROCYCLIC SODIUM/PROTON EXCHANGE INHIBITORS AND METHOD

## Abstract of the Invention

5 Heterocyclic are provided which are sodium/proton exchange (NHE) inhibitors which have the structure

$$R^{2} \sqrt{\frac{1}{2}} Z$$

wherein n is 1 to 5; X is N or C-R<sup>5</sup> wherein R<sup>5</sup> is H, halo, alkenyl, alkynyl, alkoxy, alkyl, aryl or heteroaryl; Z is a heteroaryl gorup, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are as defined herein, and where X is N, R<sup>1</sup> is preferably aryl or heteroaryl, and are useful as antianginal and cardioprotective agents. In addition, a method is provided for preventing or treating angina pectoris, cardiac dysfunction, myocardial necrosis, and arrhythmia employing the above heterocyclic derivatives.